(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 5 August 2004 (05.08.2004)

PCT

(10) International Publication Number WO 2004/064807 A1

(51) International Patent Classification7:

A61K 9/16

(21) International Application Number:

PCT/KR2004/000092

(22) International Filing Date: 19 January 2004 (19.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 10-2003-0004521

23 January 2003 (23.01.2003)

(71) Applicant (for all designated States except US): AMOREPACIFIC CORPORATION [KR/KR]; 181, Hankang-ro 2-ka, Yongsan-ku, Seoul 140-777 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PARK, Jin Woo [KR/KR]; 303-901, Gangbyeon Apt., 1475, Gayang-dong, Gangseo-gu, Seoul 157-200 (KR). BAE, Joon Ho [KR/KR]; 106-1801, Daerim Apt., Daebang-dong, Dongjak-gu, Seoul 156-761 (KR). KIM, Jung Ju [KR/KR]; 102-601, Dongbo Apt., 703, Pungdukchon-1-dong, Yongin-si, Gyeonggi-do 449-759 (KR).

(74) Agent: SUH, Jong Wan; 7th Fl., New-Seoul Bldg., 828-8, Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

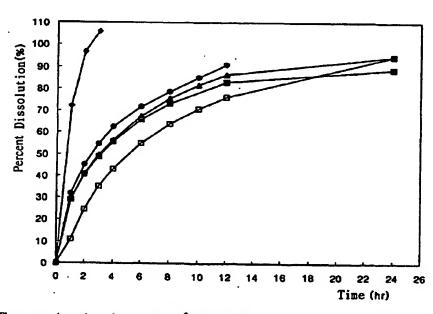
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: SUSTAINED-RELEASE PREPARATIONS AND METHOD FOR PRODUCING THE SAME



(57) Abstract: The present invention relates to sustained-release preparations prepared by double granulation and methods for producing the same. The sustained-release preparation according to the present invention enables maintenance of effective blood concentration of drug for many hours via sustained release of the drug over 12 hours or more, and further its production is easy owing to convenience of process.